

WHAT IS CLAIMED IS:

5 1. A recording medium provided with an ink-receiving layer on at least one surface of a substrate, wherein said ink-receiving layer is composed of a porous layer comprising pigment particles and mutually fused thermoplastic resin particles.

10 2. The recording medium according to claim 1, wherein a porous outermost layer comprising thermoplastic resin particles is provided on the ink-receiving layer.

15 3. The recording medium according to claim 2, wherein said substrate is card-shaped.

20 4. The recording medium according to claim 1, wherein said pigment particles are composed of alumina hydrate.

25 5. The recording medium according to claim 1, wherein said substrate is composed of a polyvinyl chloride resin.

6. The recording medium according to claim 1, wherein said substrate is composed of a polystyrene resin.

7. The recording medium according to claim 1, wherein said substrate is composed of a polycarbonate.

8. The recording medium according to claim 1, wherein the substrate is composed of a terephthalic acid-ethylene glycol-cyclohexane dimethanol copolymer.

5 9. An image forming process comprising the step of forming an image by ejecting an ink by an ink-jet recording method onto the recording medium according to claim 1.

10 10. An image forming process comprising the steps of:  
forming an image by discharging ink by an ink-jet recording method onto the recording medium according to claim 2, and  
15 rendering said outermost layer transparent.

11. The image forming process according to claim 9, wherein a coloring material of the ink is a pigment.

20 12. A process for the preparation of a recording medium comprising the steps of:

applying to a substrate a coating liquid comprising pigment particles and thermoplastic resin particles; and

25 forming an ink-receiving layer by fusing and adhering the thermoplastic resin with heat under pressure.

13. The process for the preparation of a recording medium according to claim 12 comprising further the step of:

forming an outermost layer, after the ink-receiving layer has been provided.

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